an entry corresponding to the playback device that is unconfigured for playback, and responsively transmitting, by the controller device to the playback device, a first message comprising setup information for the playback device.

[0148] Additionally, references herein to "embodiment" means that a particular feature, structure, or characteristic described in connection with the embodiment can be included in at least one example embodiment of the invention. The appearances of this phrase in various places in the specification are not necessarily all referring to the same embodiment, nor are separate or alternative embodiments mutually exclusive of other embodiments. As such, the embodiments described herein, explicitly and implicitly understood by one skilled in the art, can be combined with other embodiments.

[0149] The specification is presented largely in terms of illustrative environments, systems, procedures, steps, logic blocks, processing, and other symbolic representations that directly or indirectly resemble the operations of data processing devices coupled to networks. These process descriptions and representations are typically used by those skilled in the art to most effectively convey the substance of their work to others skilled in the art. Numerous specific details are set forth to provide a thorough understanding of the present disclosure. However, it is understood to those skilled in the art that certain embodiments of the present disclosure can be practiced without certain, specific details. In other instances, well known methods, procedures, components, and circuitry have not been described in detail to avoid unnecessarily obscuring aspects of the embodiments. Accordingly, the scope of the present disclosure is defined by the appended claims rather than the forgoing description of embodiments.

[0150] When any of the appended claims are read to cover a purely software and/or firmware implementation, at least one of the elements in at least one example is hereby expressly defined to include a tangible medium such as a memory, DVD, CD, Blu-ray, and so on, storing the software and/or firmware.

1. A system comprising a computing system, the computing system comprising:

a network interface;

at least one processor;

at least one tangible, non-transitory computer-readable medium; and

program instructions stored on the at least one tangible, non-transitory computer-readable medium that, when executed by the at least one processor, cause the computing system to perform functions comprising:

receiving, via the network interface from a media playback system over one or more networks, a message indicating that a first playback device is available to join a playback network, wherein one or more second playback devices of the media playback system are connected to the playback network;

based on pre-existing configuration data, determining an audio setting corresponding to a playback configuration for the first playback device, wherein the playback configuration comprises the first playback device playing back audio synchronously with at least one second playback device in the playback network, wherein the determined audio setting is stored in the pre-existing configuration data prior to the computing system receiving the message indi-

cating that the first playback device is available to join the playback network; and

transmitting, via the network interface to the first playback device, one or more messages instructing the first playback device to apply the determined audio setting upon joining the playback network, wherein applying the determined audio setting comprises forming the playback configuration with the at least one second playback device to play back audio synchronously.

2. The system of claim 1, wherein forming the playback configuration with the at least one second playback device to play back audio synchronously comprises forming a stereo pair including the first playback device and the at least one second playback device, wherein the first playback device and the at least one second playback device are configured to play back respective channels of stereo audio content.

3. The system of claim 1, wherein forming the playback configuration with the at least one second playback device to play back audio synchronously comprises forming a surround sound configuration including the first playback device and the at least one second playback device, wherein the first playback device and the at least one second playback device are configured to play back respective channels of surround sound audio content.

4. The system of claim 1, wherein the functions further comprise:

transmitting, via the network interface, data representing instructions to cause the first playback device to join the playback network using security parameters of the playback network.

5. The system of claim 1, wherein the functions further comprise:

receiving, via the network interface from a web browser on a computing device, data indicating the playback configuration in the media playback system.

6. The system of claim 5, wherein the functions further comprise:

hosting a web site comprising a web interface, the web interface comprising controls to select the playback configuration from a plurality of supported playback configurations, wherein the supported playback configurations based on (i) a model of the first playback device and (ii) respective models of the one or more second playback devices.

7. The system of claim 1, wherein the pre-existing configuration data is maintained in a configuration table stored in data storage of the computing system.

8. The system of claim 1, wherein the system further comprises a control device, the control device comprising:

an additional network interface;

at least one additional processor;

at least one additional tangible, non-transitory computer-readable medium; and

program instructions stored on the at least one additional tangible, non-transitory computer-readable medium that, when executed by the at least one additional processor, cause the control device to perform additional functions comprising:

displaying, via a control application, an interface to comprising controls to select from among a plurality of supported playback configurations, wherein the supported playback configurations based on (i) a